GAS-SOLID CHROMATOGRAPHY

115374q **Gas-solid chromatographic determination of carbon monoxide and carbon dioxide in cigaret smoke.** Horton, Arthur D.; Guerin, Michael R. (Anal. Chem. Div., Oak Ridge Natl. Lab., Oak Ridge, Tenn.). *J. Ass. Off. Anal. Chem.* 1974, 57(1), 1–7 (Eng). A modified gas–solid chromatog. method which allowed. quant. detn. of CO [630–08–0] and (or) CO_2 [124–38–9] on the entire gas phase delivery of cigaret smoke (rather than single puff), showed relative std. errors of 2–3% and relative confidence intervals of 6–9% in 4–6 cigarets tested. The technique was developed for precise, routine anal. on a small sampling of cigarets. Use of a Saran bag for collection and containment of generated, sample gases eliminated CO_2 loss.

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